

Case 1:

Rt eye: Cornea Hydrops 20yr old male

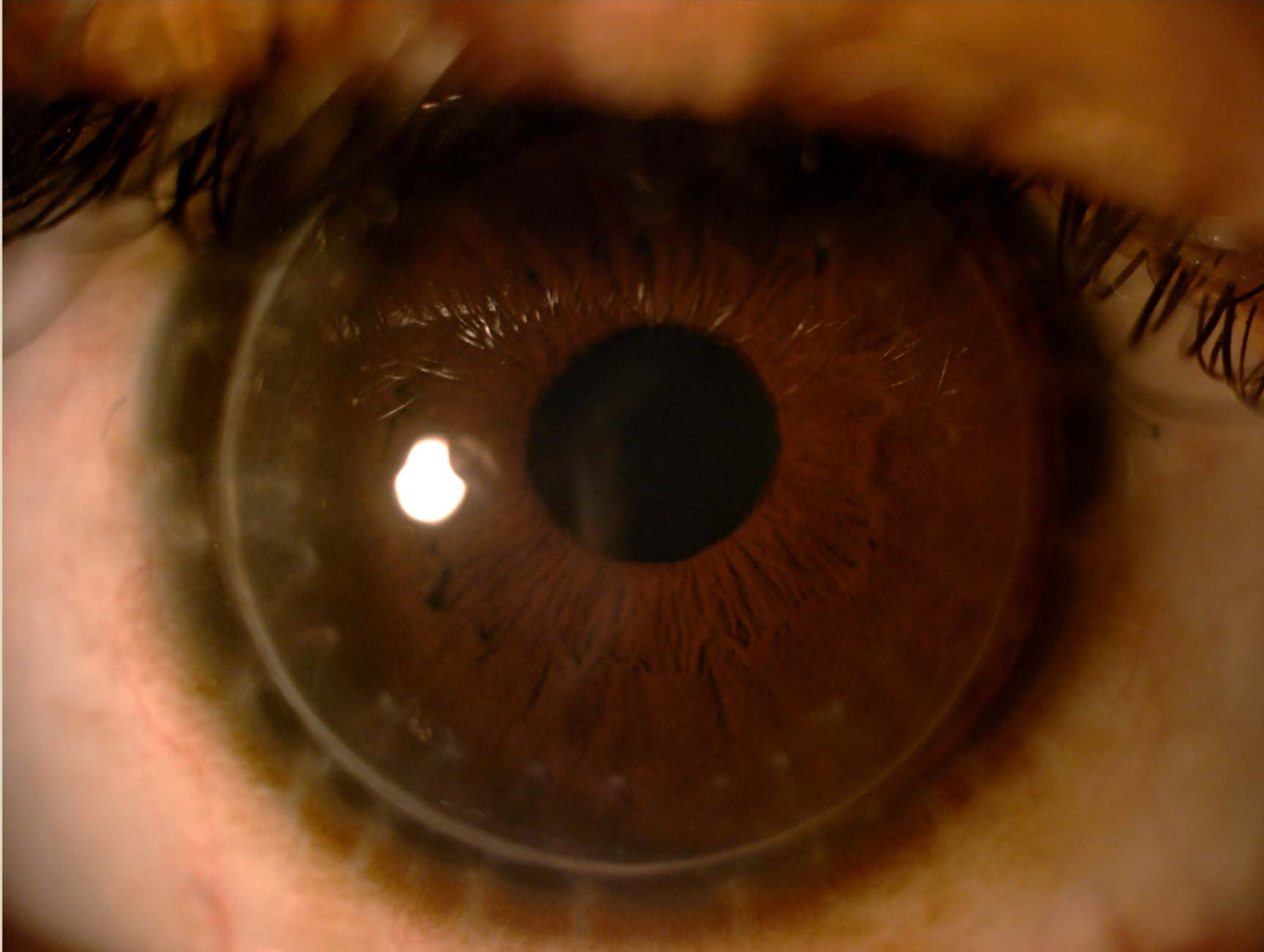


06/04/2020 R

Hydrops in Keratoconus

- A tear develops in Descemet's membrane due to excessive stretching and distortion as the cornea warpage from Keratoconus condition progresses.
- causes a rapid influx of aqueous fluid into the corneal stroma
- usually self-seals after 6-12 weeks
- corneal swelling subsides but will often result in permanent corneal scarring and warpage
- We are now able to recommend earlier intervention with large diameter DALK rather than delaying visual restoration a year or longer.

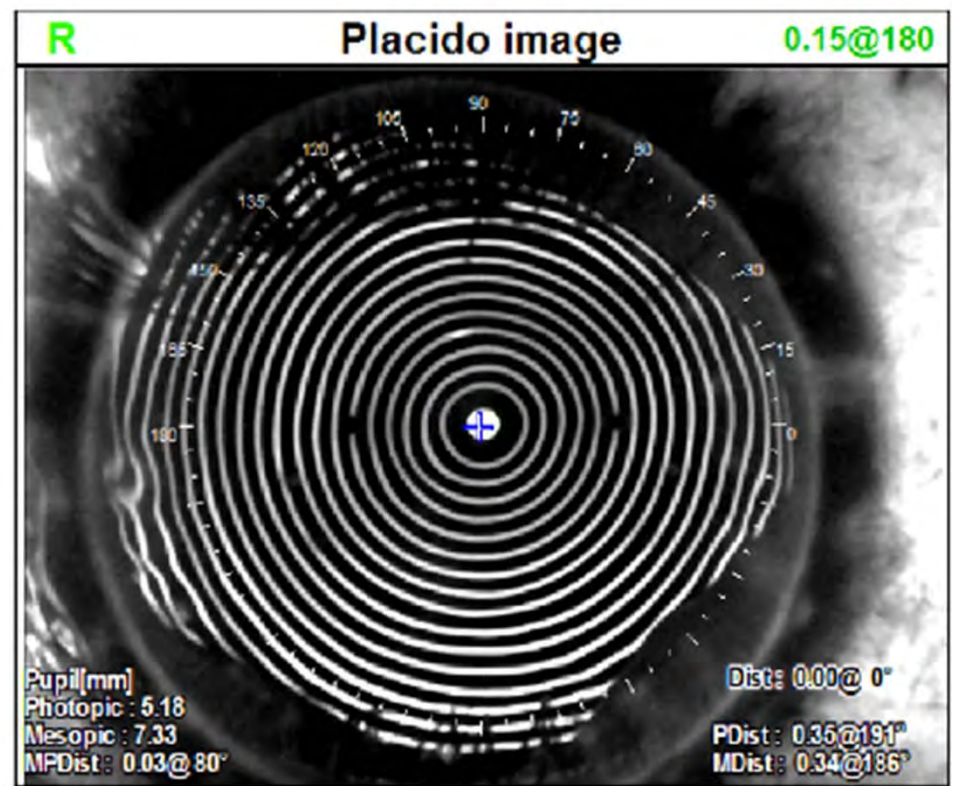
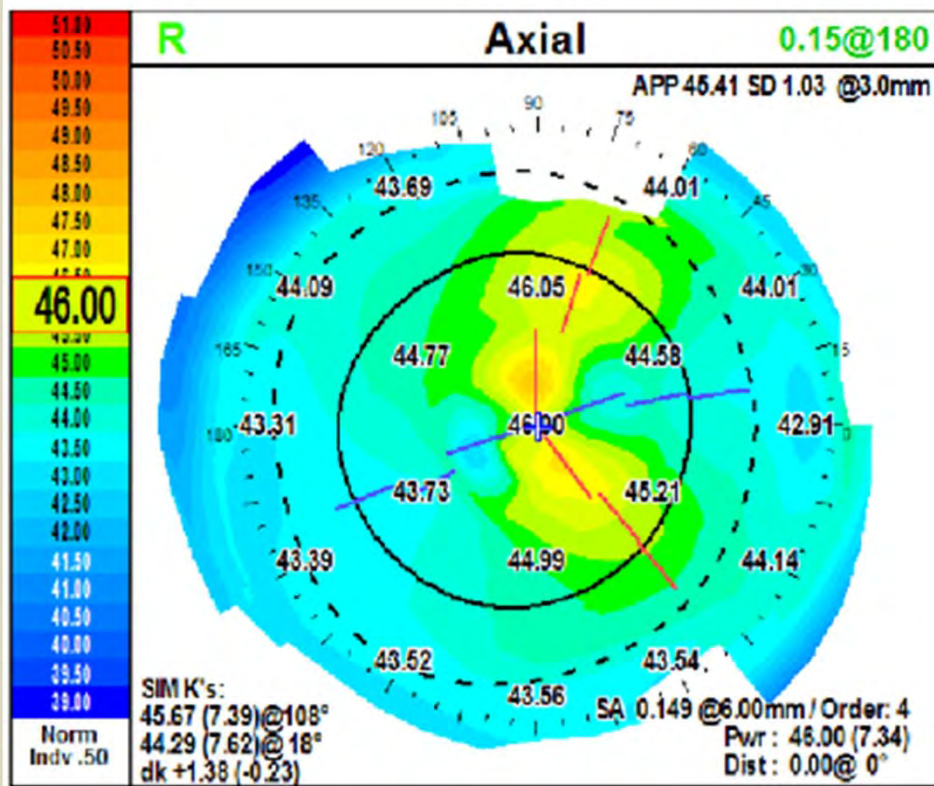
Dalk 10.0mm dia. graft



Corneal Hydrops: 8 mos after DALK

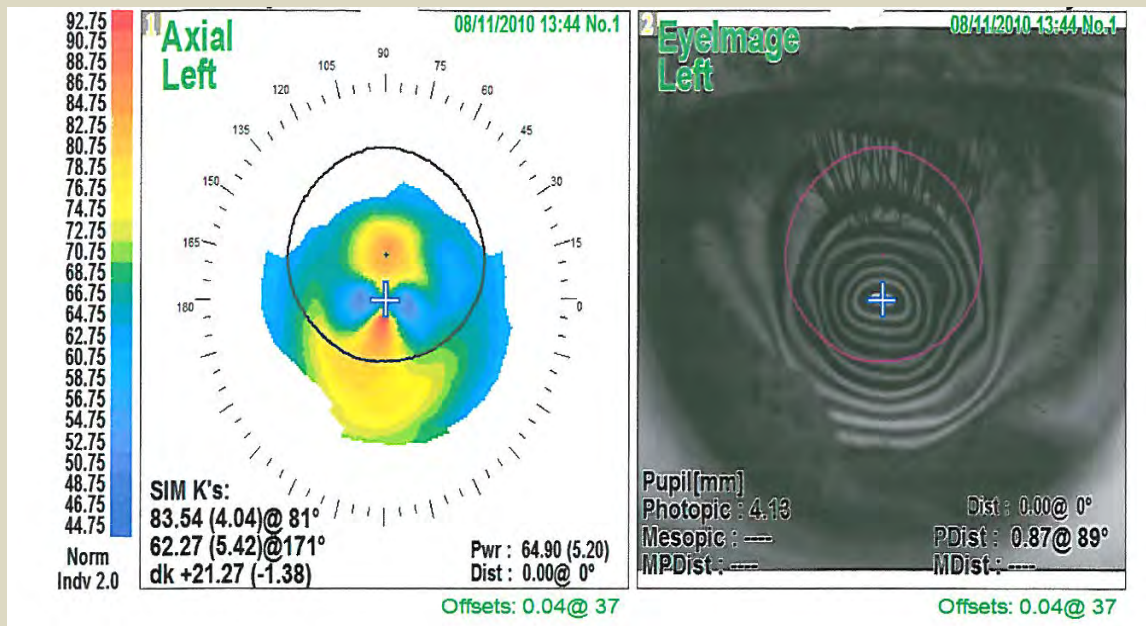
-10.0+1.5x120 20/20 !

After Visian EVO ICL Uncorrected VA 20/20!



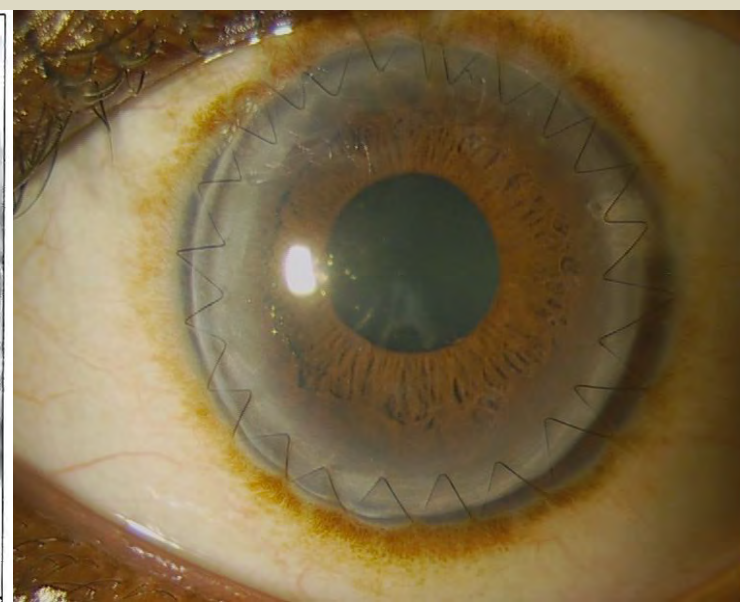
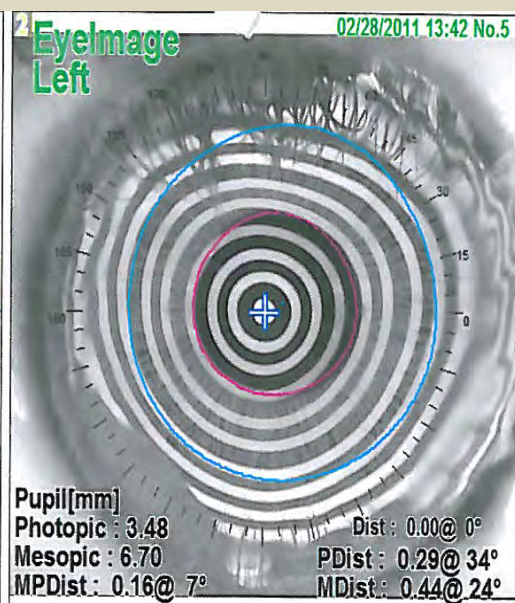
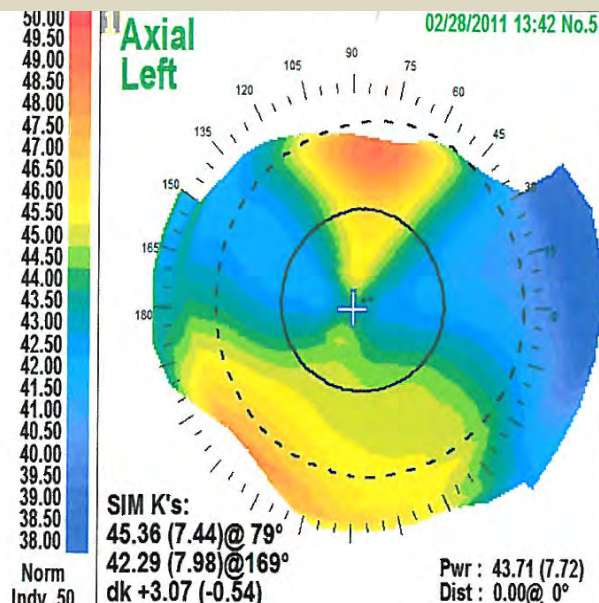
Case 2

Left eye: Severe Keratoconus with scar
hx of cornea hydrops 19yo male



Severe Keratoconus with scar

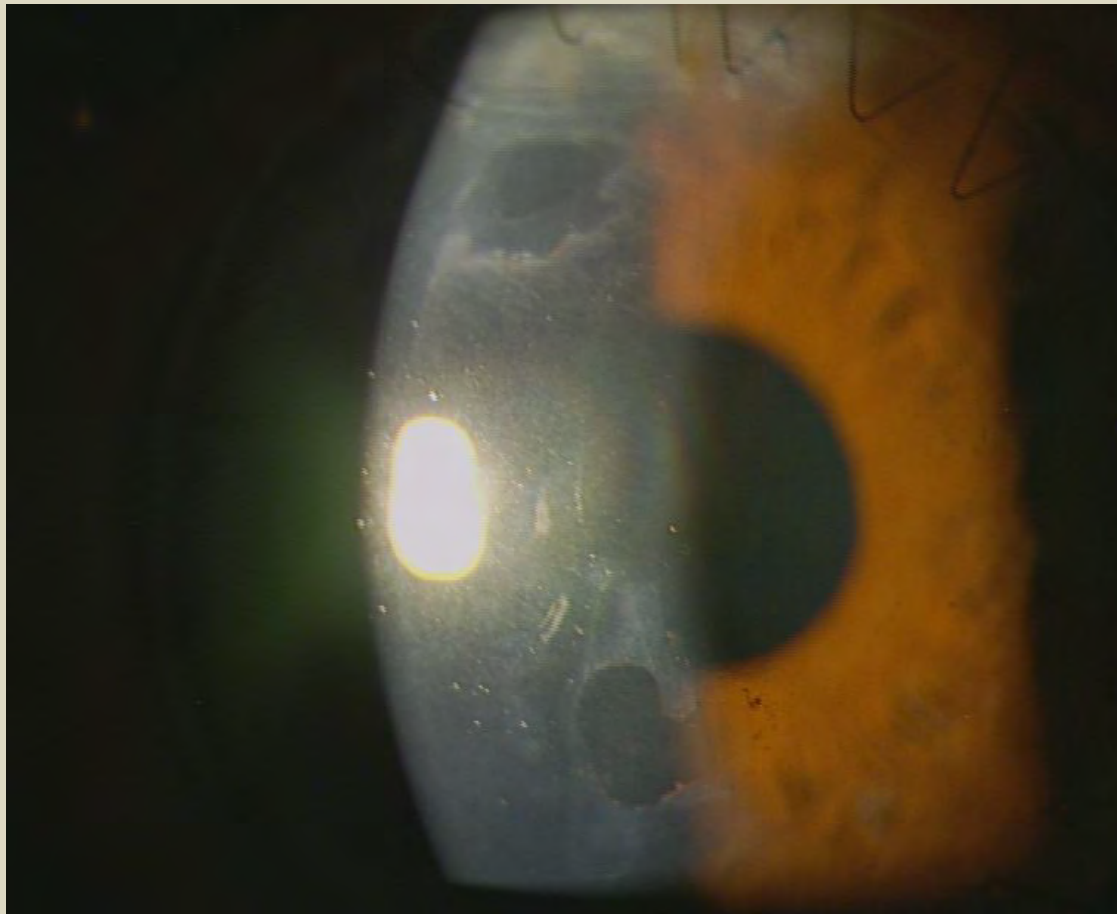
Left eye: DALK 10.0mm dia. 3 mos post-op
-2.75 +1.25 x 85 20/25



Severe Keratoconus with scar

Left eye: DALK large diameter, 3 mos post-op

note: “moth eaten” holes in descemet's membrane – breaks from earlier hydrops episode but NO cornea edema in graft over these areas!



Severe Keratoconus with scar

20 yo 15 mos aft DALK suture out

- 5.0 + 0.5 x 20 20/20

Visian ICL Uncorrected VA 20/20

